WHAT IS CLAIMED IS:

1. A cosmetic apparatus comprising:

at least one conductive pad;

multiple ultrasonic transducers placed on the at least one conductive pad, which is configured to be connected to an ultrasonic wave signal generator to transmit ultrasonic waves to a skin surface through the at least one conductive pad, wherein at least one ultrasonic transducer is placed on each conductive pad; and

a low- and/or moderate-frequency current terminal connected to the at least one conductive pad, which is configured to be connected to a low- and/or moderate-frequency current generator to transmit a low- and/or moderate-frequency current to the skin surface through the at least one conductive pad.

- 2. The cosmetic apparatus according to Claim 1, wherein the at least one conductive pad is one conductive pad, and the multiple ultrasonic transducers are placed on the one conductive pad.
- 3. The cosmetic apparatus according to Claim 1, wherein the conducive pad is made of a blast-treated pressed titanium.
- 4. The cosmetic apparatus according to Claim 2, wherein the multiple ultrasonic transducers are arranged next to each other symmetrically around a center of a surface of the pad facing the skin surface.
- 5. The cosmetic apparatus according to Claim 4, wherein the surface of the pad has a circular shape.
- 6. The cosmetic apparatus according to Claim 1, wherein the at least one conductive pad is multiple conductive pads, each being provided with multiple ultrasonic transducers and a low- and/or moderate-frequency current terminal.
- 7. The cosmetic apparatus according to Claim 6, wherein the multiple pads have different shapes or different colors.
- 8. The cosmetic apparatus according to Claim 2, wherein one pad is provided per ultrasonic transducer, and the cosmetic apparatus comprises a plurality of pads and a support on which the plurality of pads are arranged.

- 9. The cosmetic apparatus according to Claim 8, wherein the support has a longitudinal shape, and the cosmetic apparatus further comprises a belt onto which the support is attached.
- 10. The cosmetic apparatus according to Claim 1, further comprising a gripper configured to be held by a hand.
- 11. The cosmetic apparatus according to Claim 1, wherein both of the low-frequency current terminal and the moderate-frequency terminal are provided.
- 12. The cosmetic apparatus according to Claim 8, further comprising a conductive adhesive chip adhered to a surface of each pad, said chip being configured to be in contact with the skin surface.
- 13. The cosmetic apparatus according to Claim 12, wherein the conductive adhesive chip comprises a gel layer and a conductive base attached to the gel layer on a side opposed to the pad.
- 14. The cosmetic apparatus according to Claim 1, further comprising the ultrasonic wave signal generator.
- 15. The cosmetic apparatus according to Claim 1, wherein the low- and/or moderate-frequency current terminal is provided in the ultrasonic transducer.
- 16. A cosmetic system comprising the cosmetic apparatus defined in Claim 1 and a control apparatus which comprises: the ultrasonic wave signal generator; the low- and/or moderate-frequency current generator; a controller which controls the ultrasonic wave signal generator and the low- and/or moderate-frequency current generator; and an input unit which inputs commands to the controller.
- 17. The cosmetic system according to Claim 16, further comprising a terminal connected to a ground
- 18. The cosmetic system according to Claim 17, wherein the terminal is a conductive adhesive configured to adhere to the skin surface.
- 19. The cosmetic system according to Claim 16, wherein the ultrasonic wave signal generator transmits two signals corresponding to different frequencies of ultrasonic waves.

- 20. The cosmetic system according to Clam 19, wherein the different frequencies are about 3 MHz and about 1.5 MHz.
- 21. The cosmetic system according to Claim 16, wherein the low-frequency current has a frequency of about 1 Hz to about 50 Hz.
- 22. The cosmetic system according to Claim 16, wherein the moderate-frequency current has a frequency of about 1 kHz to about 10 kHz.
- 23. The cosmetic system according to Claim 16, wherein the low- and/or moderate-frequency current generator is comprised of both a low-frequency current generator and a moderate-frequency current generator.
- 24. The cosmetic system according to Claim 16, wherein the controller activates the multiple ultrasonic transducers in sequential cycles.
- 25. The cosmetic system according to Claim 16, wherein the controller activates the low- and/or moderate-frequency current generator intermittently in cycles.
- 26. The cosmetic system according to Claim 16, wherein the controller activates the ultrasonic transducers to control the intensity of the ultrasonic waves in solenoid curves.
- 27. The cosmetic system according to Claim 26, wherein the controller activates the ultrasonic transducers intermittently in cycles.
- 28. The cosmetic system according to Claim 24, wherein the controller activates the low- and/or moderate-frequency current generator intermittently in cycles, wherein the activation cycles of the ultrasonic transducers and the intermittent cycles of the low- and/or moderate-frequency current generator are synchronized.
- 29. The cosmetic system according to Claim 24, wherein one pad is provided per ultrasonic transducer, and the cosmetic apparatus comprises a plurality of pads arranged on a support, wherein ultrasonic waves and a low- and/or moderate-frequency current are transmitted to each pad in sequential patterns.
- 30. A cosmetic method using the cosmetic apparatus defined in Claim 1, comprising:

applying a conductive topical medium on a skin surface; placing the pad on the medium-applied skin surface;

activating the multiple ultrasonic transducers in sequence to transmit ultrasonic waves in patterns to the medium-applied skin surface through the pad while sliding the pad against the medium-applied skin surface; and

transmitting in patterns a low- and/or moderate-frequency current to the medium-applied skin surface through the pad in combination with the ultrasonic waves while sliding the pad against the medium-applied skin surface.

- 31. The cosmetic method according to Claim 30, wherein two signals corresponding to different frequencies of ultrasonic waves are transmitted to the skin surface.
- 32. The cosmetic method according to Clam 30, wherein the different frequencies are about 3 MHz and about 1.5 MHz.
- 33. The cosmetic method according to Claim 30, wherein the low-frequency current has a frequency of about 1 Hz to about 50 Hz.
- 34. The cosmetic method according to Claim 30, wherein the moderate-frequency current has a frequency of about 1 kHz to about 10 kHz.
- . 35. The cosmetic method according to Claim 30, wherein the low- and/or moderate-frequency current is comprised of both a low-frequency current and a moderate-frequency current.
- 36. The cosmetic method according to Claim 30, wherein the multiple ultrasonic transducers transmit ultrasonic waves in sequential cycles.
- 37. The cosmetic method according to Claim 30, wherein the low- and/or moderate-frequency current is transmitted intermittently in cycles.
- 38. The cosmetic method according to Claim 30, wherein the intensity of the ultrasonic waves transmitted from the ultrasonic transducer is controlled in solenoid curves.
- 39. The cosmetic method according to Claim 38, wherein the ultrasonic transducer transmits ultrasonic waves intermittently in cycles.
- 40. The cosmetic method according to Claim 36, wherein the low- and/or moderate-frequency current is transmitted intermittently in cycles, wherein the cycles of the ultrasonic waves and the intermittent cycles of the low- and/or moderate-frequency current are synchronized.

41. A cosmetic method using the cosmetic apparatus defined in Claim 8, comprising:

applying a conductive topical medium on a skin surface;
placing the longitudinal pad on the medium-applied skin surface; and
transmitting in sequential patterns ultrasonic waves and a low- and/or
moderate-frequency current to the medium-applied skin surface through the pads.

42. A cosmetic method using the cosmetic apparatus defined in Claim 11, comprising:

placing the pads with the chips on the skin surface without a conductive topical medium applied on the skin surface; and

transmitting in sequential patterns ultrasonic waves and a low- and/or moderate-frequency current to the medium-applied skin surface through the pads and the chips.